

### **Amendments to the Claims:**

If entered, this listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1-11 (canceled).

12 (withdrawn). A method of making a ferroelectric material comprising a perovskite alloy, comprising the steps of:

selecting a specific temperature from any temperature below the Curie temperature of the disordered alloy; and

forming the alloy in stacked planes having the form  $\text{Pb}(\text{Sc}^{3+}_{0.5+\nu}\text{Nb}^{5+}_{0.5-\nu})\text{O}_3$  /  $\text{Pb}(\text{Sc}^{3+}_{0.5}\text{Nb}^{5+}_{0.5})\text{O}_3$  /  $\text{Pb}(\text{Sc}^{3+}_{0.5-\nu}\text{Nb}^{5+}_{0.5+\nu})\text{O}_3$  /  $\text{Pb}(\text{Sc}^{3+}_{0.5}\text{Nb}^{5+}_{0.5})\text{O}_3$ , wherein Pb represents lead atoms,  $\text{Sc}^{3+}$  represents scandium atoms,  $\text{Nb}^{3+}$  represents niobium atoms and O represents oxygen atoms, and wherein  $\nu$  is a modulated parameter yielding the relative concentration of the  $\text{Sc}^{3+}$  and  $\text{Nb}^{3+}$  atoms in each plane of said alloy, wherein said alloy is ordered along the [001] direction and wherein said modulated parameter  $\nu$  is selected to obtain at said specific temperature dielectric and piezoelectric properties of said alloy that are enhanced over the dielectric and piezoelectric properties of the disordered alloy.

13 (new). A ferroelectric material, comprising:

a perovskite alloy comprising stacked planes having the form  $\text{Pb}(\text{Sc}^{3+}_{0.5+\nu}\text{Nb}^{5+}_{0.5-\nu})\text{O}_3$  /  $\text{Pb}(\text{Sc}^{3+}_{0.5}\text{Nb}^{5+}_{0.5})\text{O}_3$  /  $\text{Pb}(\text{Sc}^{3+}_{0.5-\nu}\text{Nb}^{5+}_{0.5+\nu})\text{O}_3$  /  $\text{Pb}(\text{Sc}^{3+}_{0.5}\text{Nb}^{5+}_{0.5})\text{O}_3$ , wherein Pb

represents lead atoms,  $\text{Sc}^{3+}$  represents scandium atoms,  $\text{Nb}^{3+}$  represents niobium atoms and O represents oxygen atoms, and wherein  $v$  is a modulated parameter yielding the relative concentration of the  $\text{Sc}^{3+}$  and  $\text{Nb}^{3+}$  atoms in each plane of said alloy, wherein said alloy is ordered along the [001] direction and wherein said modulated parameter  $v$  is selected to obtain at said specific temperature dielectric and piezoelectric properties of said alloy that are enhanced over the dielectric and piezoelectric properties of the disordered alloy; and

wherein said specific temperature is selected from any temperature below the Curie temperature of the disordered alloy and above 50K.